

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Jonathan Berschadsky on 09/24/2008.

3. The application has been amended as follows:

In claim 1, please replace the subject matter in the claim with the following:

Claim 1, A method of decoding an encoded digital image, decodable at a plurality of predefined resolutions, comprising the steps of:

selecting a resolution lower than the highest of the predefined resolutions and different from each of the predefined resolutions;

determining a predefined resolution immediately above the selected resolution;

determining a quantity of data of the determined predefined resolution, as a function of a ratio between a number of pixels of the selected resolution and a number of pixels of the determined predefined resolution;

decoding the image including the data of the determined predefined resolution, as a function of the determined quantity of data; and

subsampling the decoded image, as a function of the ratio between the selected resolution and the determined predefined resolution.

In claim 6, please replace the subject matter in the claim with the following:

Claim 6, A method of decoding encoded data, decodable at a plurality of predefined resolutions  $R_n$ , comprising the steps of:

determining an intermediate resolution between a first predefined resolution  $R_a$  and a second predefined resolution  $R_{a+1}$ , the intermediate resolution being different from the first predefined resolution  $R_a$  and the second predefined resolution  $R_{a+1}$ ;

selecting encoded data corresponding to the intermediate resolution;

decoding the selected encoded data; and

scaling the decoded data, as a function of a ratio between a number of pixels of the intermediate resolution and a number of pixels of one of the plurality of the predefined resolutions  $R_n$ , wherein the selected encoded data includes encoded data corresponding to the first predefined resolution  $R_a$ , and a part of encoded data corresponding to the second predefined resolution  $R_{a+1}$  but not included in the encoded data corresponding to the first predefined resolution  $R_a$ .

In claim 9, please replace the subject matter in the claim with the following:

Claim 9, A device for decoding an encoded digital image, decodable at a plurality of predefined resolutions, comprising:

means for selecting a resolution lower than the highest of the predefined resolutions and different from each of the predefined resolutions;

means for determining a predefined resolution immediately above the selected resolution;

means for determining a quantity of data of the determined predefined resolution, as a function of a ratio between a number of pixels of the selected resolution and a number of pixels of the determined predefined resolution;

means for decoding the image including the data of the determined predefined resolution, as a function of the determined quantity of data; and

means for subsampling the decoded image, as a function of the ratio between the selected resolution and the determined predefined resolution.

In claim 14, please replace the subject matter in the claim with the following:

Claim 14, A device for decoding encoded data, decodable at a plurality of predefined resolutions  $R_n$ , comprising:

means for determining an intermediate resolution between a first predefined resolution  $R_a$  and a second predefined resolution  $R_{a+1}$ , the intermediate resolution being different from the first predefined resolution  $R_a$  and the second predefined resolution  $R_{a+1}$ ;

means for selecting encoded data corresponding to the intermediate resolution;

means for decoding the selected encoded data; and

means for scaling the decoded data, as a function of a ratio between a number of pixels of the intermediate resolution and a number of pixels of one of the plurality of the predefined resolutions  $R_n$ , wherein the selected encoded data includes encoded data corresponding to the first predefined resolution  $R_a$ , and a part of encoded

data corresponding to the second predefined resolution  $R_{a+1}$  but not included in the encoded data corresponding to the first predefined resolution  $R_a$ .

In claim 15, please replace the subject matter in the claim with the following:

Claim 15, a device for decoding encoded data, decodable at a plurality of predefined resolutions, comprising:

means for selecting an intermediate resolution between a first predefined resolution and a second predefined resolution, the second predefined resolution being higher than the first predefined resolution, the intermediate resolution being different from the first predefined resolution and the second predefined resolution;

means for determining a quantity of encoded data of the second resolution depending on the intermediate resolution;

means for determining a quantity of data of the determined predefined resolution, as a function of a ratio between a number of pixels of the selected resolution and a number of pixels of the determined predefined resolution;

means for decoding the data as a function of the determined quantity of data;  
and

means for subsampling the decoded data from the second predefined resolution to the intermediate resolution.

In claim 17, please replace the subject matter in the claim with the following:

Claim 17, A decoding device according to any one of claims 9, 14 or 15, wherein said means for determining, decoding and sub sampling are incorporated in: a microprocessor, a read only memory, storing a program for processing the data, and a

random access memory comprising registers adapted to record variables modified during the execution of said program.

### **REASONS FOR ALLOWANCE**

3. Claims 1-19 are allowed over the prior art of record.
4. The following is an examiner's statement of reasons for allowance: In addition to the teachings of claims 1, 6, 7, 9 and 14-15, as a whole, closest art of record failed to teach or suggest among other thing,

*"determining a quantity of data of the determined predefined resolution, as a function of a ratio between a number of pixels of the selected resolution and a number of pixels of the determined predefined resolution;*

*decoding the image including the selected data at the determined predefined resolution, as a function of the determined quantity of data; and*

*subsampling the decoded image, as a function of the ratio between the selected resolution and the determined predefined resolution."*

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKLILU k. WOLDEMARIAM whose telephone number is

(571)270-3247. The examiner can normally be reached on Monday-Thursday 6:30 a.m-5:00 p.m EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on 571-272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Samir Ahmed,  
Examiner  
Art Unit 2624

/A. k. W./  
Examiner, Art Unit 2624  
09/242008

/Samir A. Ahmed/  
Supervisory Patent Examiner, Art Unit 2624